

TileMaster Tough Step

Section 1 - Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: TileMaster Tough Step

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: 2-Component waterborne finish for timber floors.

1.3 Details of the supplier of the safety data sheet

Company name: TileMaster, Unit 11/12 Shepley Lane Ind Est, Marple, Hawk Green, Stockport, Cheshire SK6 7JW

Tel: 0161 444 0377

Fax: 0161 444 0377

Email: info@tilemaster.co.uk

1.4 Emergency telephone number

Emergency tel: England, Medical Toxicology Information Services: 0207 1880100
Wales&Ireland, National Poisons Information Service: 0844 8920111
Scotland, National Poisons Information Centre: 0870 600 6266

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

Under the Model Work Health and Safety Regulations, the product would not be classified as hazardous.

2.2 Label elements

Label elements:

Hazard statements: Not Applicable

Hazard pictograms: Not Applicable

Signal words: Not Applicable

Precautionary statements: PREVENTION: Not Applicable
RESPONSE: Not Applicable
STORAGE: Not Applicable
DISPOSAL: Not Applicable

2.3 Other hazards

The mixture has a low order of toxicity associated with it. May cause mild gastric irritation if swallowed. The product may be mildly irritating to the skin, respiratory system and eyes. People with pre-existing skin conditions, such as eczema or dermatitis, should take precautions so as not to exacerbate the condition. As for all chemical products, persons should not expose open wounds, cuts, abrasions or irritated skin to this material.

Section 3 - Composition/information on ingredients

Ingredients	CAS Number	Concentration % W/W	Risk Phrases*	GHS Classification*
Non-hazardous ingredients	-	To 100%	Not Applicable	Not Applicable

* Please see Section 15 of this SDS for the full text description of the Label Elements.

Section 4 - First aid measures

4.1 Description of first aid measures

Ingestion:	Rinse mouth out with water. If swallowed, according to the manufacturer, do NOT induce vomiting. For advice, contact the Poisons Information Centre (phone 111) or a doctor. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. If irritation develops or persists or vomiting has occurred after ingestion, seek medical assistance.
Eye:	If in eyes, hold eyelids apart and flush the eye immediately with large amounts of running water. Check for contact lenses. If there are contact lenses, these should be removed after several minutes of rinsing by the exposed person or medical personnel if it can be done easily. After flushing, if irritation develops or persists, seek medical assistance.
Skin Contact:	If skin or hair contact has occurred remove any contaminated clothing and footwear, wash skin or hair thoroughly with soap and water. Do Not use solvents or thinners. If irritation develops or persists, consult a Doctor.
Inhalation:	If a person is affected by inhaling the product, remove the patient from further exposure into fresh air, if safe to do so. If providing assistance, avoid exposure to yourself - only enter contaminated environments with adequate respiratory equipment. Once removed, lay patient down in a well-ventilated area and reassure them whilst waiting for medical assistance. If not breathing, provide artificial respiration and seek immediate medical assistance. If unconscious, place in a recovery position and seek immediate medical assistance. If irritation develops/persists, consult a Doctor.
Protection for First Aiders	No personnel shall place themselves in a situation that is potentially hazardous to themselves. As the product is a floor coating, if the person has ingested the product, if the person has ingested the product, do not use direct mouth-to-mouth resuscitation techniques. Always ensure that you are wearing gloves when dealing with first aid procedures involving chemicals and/or blood.
First Aid Facilities	Eye wash fountain and safety showers are recommended in the area where the product is used. As a minimum, a source of running, potable water must be available.

4.2 Most important symptoms & effects, both acute & delayed, caused by exposure:

Ingestion:	Ingestion or inhalation of vapours may lead to irritation of the mouth and respiratory tract. Ingestion may lead to nausea. Eye contact may lead to localised burning, redness and tearing. Skin contact may lead to redness or itching.
Eye:	Repeated or prolonged skin contact may also aggravate/exacerbate existing skin conditions, such as dermatitis. Repeated or prolonged contact with the preparation may cause removal of the natural fats and oils from the skin.

4.3 Indication of any immediate medical attention and special treatment necessary:

Advice to doctor:	Treat symptomatically. The manufacturer recommends that if large quantities have been ingested a Poisons Specialists should be contacted immediately as a precaution. As the product is a floor coating material it may present an aspiration hazard if vomiting has occurred after ingestion of large quantities. As a precaution, if vomiting has occurred after ingestion, the patient should be monitored for adverse effects.
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Section 5 - Fire-fighting measures

5.1 Extinguishing media

Suitable media: Use extinguishing media appropriate for surrounding fire. Use carbon dioxide, alcohol resistant foam, dry chemical or water fog. Spray down fumes resulting from fire.

Unsuitable media: Avoid using full water jet directed at residual material that may be burning. Water may cause splattering on hot residues.

5.2 Special hazards arising from the substance or mixture

Combustion hazards: Please note that this product contains a polyurethane based polymer dispersion in water. If the solvent is evaporated during a fire, the residual dispersed materials may decompose and release toxic substances. Combustion may produce oxides of carbon, nitrogen, and hydrogen, and if the product solvent is evaporated during a fire, the residual dispersed materials may decompose and release dense black smoke and toxic substances such as hydrogen cyanide from the polyurethane component.

5.3 Advice for Fire Fighters

Fire: This product is not flammable under conditions of use. Once the aqueous component has evaporated, the residual component will be combustible. Keep storage tanks and fire exposed surfaces, etc, cool with water spray. Do not allow runoff from a fire to enter drains, sewers or waterways.

Hazchem code: Avoid using full water jet directed at residual material that may be burning. Water may cause splattering on hot residues.

Explosion: No information to indicate that the product is an explosion hazard. Extinguish all sources of flame or spark. Closed containers may explode when exposed to extreme heat.

Protective equipment: In the event of a fire, wear full protective clothing and self-contained breathing equipment with full-face piece operated in the pressure demand or other positive pressure mode.

Section 6 - Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal protection: For spills, wear Nitrile Rubber gloves, glasses/goggles, boots and full-length clothing. During routine operation for a small spill a respirator is not required. However, if mists or vapours are generated, an approved organic vapour/particulate respirator is required. For large spills, or in confined spaces, a full chemically resistant body-suit is recommended and the atmosphere must be evaluated for oxygen deficiency. If in doubt wear self-contained breathing apparatus.

Control measures: Ventilate area and extinguish and/or remove all sources of ignition. Stop the leak if safe to do so. CAUTION: The spilled product will be slippery. Avoid contact with the spilled material.

Emergency procedures: In the event of a spill or accidental release, notify the relevant authorities in accordance with all applicable regulations.

6.2 Environmental precautions

Spill Advice: Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs.

6.1 Personal precautions, protective equipment and emergency procedures

Containment: Contain the spill and absorb with a proprietary absorbent material, sand or earth. Caution: The spilled product will be slippery. For large spills prepare a bund/barrier/dyke ahead of the spill to confine the spill and allow later recovery. If there is the possibility of spills to enter drains, surface water, sewers or watercourses ensure bunding, or that drains are covered, to minimise the potential for this to occur.

Cleaning procedures: Having contained the spill, as mentioned above, collect all material quickly and place used absorbent in suitable containers. Caution: The spilled product will be slippery. Follow local regulations for the disposal of waste. For large spills that have been banded, the material can be pumped into vessels and returned for reprocessing or destruction. Personnel must wear gloves, goggles or glasses, boots and full-length clothing during cleaning procedures. Wash contaminated area and objects with detergent and water after spill has been cleared. Rinse the cleaned area with water. Do not allow wash water or rinsings to enter drains, surface water, sewers or water courses. Avoid using solvents during the cleaning process.

Section 7 - Handling and storage

7.1 Precautions for safe handling

Avoid contact with the product by using appropriate protective equipment such as gloves, glasses or goggles and full-length clothing. A full-face shield should be used if there is the potential for the product to enter the eye via processes such as mixing or splashes. Prevent small spills and leakage to avoid slip hazards. Eating, drinking, and smoking should be prohibited in the area where this material is handled, stored and processed. Workers should follow good personal hygiene practices, such as washing hands before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid inhalation of vapours; as per any industrial product adequate ventilation must be supplied to remove vapours from the work environment to achieve this. Never use pressure to empty the container; the container is not a pressure vessel. Keep containers tightly closed when not in use. Prevent product from entering waterways, drains or sewers.

7.2 Conditions for safe storage, including any incompatibilities:

Safe storage: Store in a dry, well ventilated, frost-free area away from direct sunlight, ignition sources, oxidising agents, strong acids and alkalis, foodstuffs, animal feeds and clothing. Keep containers closed when not in use. Always keep in containers made of the same material as the original one. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Protect the packaging from damage. When the packaged material is intact the product is deemed to be of limited hazard. Label precautions must be followed at all times.

Incompatibilities: Avoid oxidizing agents, including strong acids, and strongly alkaline materials.

Section 8 - Exposure controls/personal protection

8.1 Exposure limit values

Exposure standards for the product have not been established. There are no known exposure standards for the product as mists or vapours.

8.2 Biological monitoring

No data available

8.3 Control banding

No data available

8.4 ENGINEERING CONTROLS

Use product in a well ventilated area. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction. Special ventilation is not normally required. However, in the operation of certain equipment, in enclosed spaces or at elevated temperatures, mists or vapours may be generated and exhaust ventilation may be required to maintain airborne concentration levels below a level considered irritating by individuals.

8.5 Control parameters

Eye & face protection: Wear safety glasses/goggles to avoid eye contact. If when mixing or stirring the product there is the possibility of splashing, a full-face shield is recommended. Use eye protection in accordance with AS 1336 and AS 1337.

Skin (hand) protection: If there is the chance of skin contact with the material; wear gloves to provide hand protection. Nitrile rubber gloves are recommended. Gloves should be replaced regularly.

Skin (clothing) protection: During normal operating procedures, long sleeved clothing is recommended to avoid skin contact. Soiled clothing should be washed with detergent prior to re-use.

Respiratory protection: Use only in well-ventilated areas. During routine operation, a respirator is not required. If mists or vapours are generated, an approved half face organic vapour/particulate respirator is required. Dry sanding, grinding, flame/heat stripping and cutting of the dry film will give rise to dust and/or hazardous fumes. Wet sanding/flattening should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation during such operations, suitable respiratory protective equipment, such as an approved organic vapour/particulate respirator is required. Use respirators in accordance with AS 1715 and AS 1716.

Thermal protection: Not applicable.

Section 9 - Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	White liquid
Odour:	No data available
Odour threshold:	No data available
pH:	Typically 8
Melting / freezing point:	No data available
Initial boiling point:	No data available
Boiling range (°C):	No data available
Flashpoint (°C):	No data available
Evaporation rate:	No data available
Flammability limits (%):	No data available
Vapour pressure (mmhg):	No data available
Vapour density:	No data available
Density (g/ml @ 15°C):	No data available
Solubility in water(g/l):	Completely miscible
Partition coefficient:	No data available for n-octanol/water.
Auto-ignition temp (°C):	No data available
Decomposition temp (°C):	No data available
Viscosity (cst @ 100°C):	No data available
Viscosity (cst @ 40°C):	No data available

Section 10 - Stability and reactivity

10.1 Reactivity

The product does not pose any further reactivity hazards other than those listed in the following sub-sections.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

Keep away from oxidising agents, including strong acids and strong alkalis. Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Observe the usual precautionary measures for handling chemicals. Do not heat the container or leave the container open when not in use.

10.5 Incompatible materials

Avoid oxidising agents, strong acids and strong alkaline materials.

10.6 Hazardous decomposition products

Hazardous decomposition products are not expected to form during normal storage requirements. See Section 5.2 for Hazardous Combustion products.

Section 11 - Toxicological information

11.1 Information on toxicological effects:

The product is a mixture and test data is not available for the product as a whole.

11.2 Swallowed

This product is expected to have a low order of toxicity associated with it when ingested. Ingestion may cause slight irritation to the mouth, throat and digestive tract. Ingestion of significant quantities may lead to irritation of the stomach and the person may feel nauseous. As the product is a floor coating product, aspiration into the lungs may be an issue if vomiting has occurred after ingestion or if stomach irrigation is deemed necessary. If the product is ingested and the person has vomited, they should be observed to ensure there is no aspiration into the lungs. During normal usage, ingestion should not be a means of exposure.

11.3 Skin corrosion / irritation

The product is not expected to cause skin corrosion/irritation based on the available data and the known hazards of the components. May be mildly irritating to the skin. Prolonged or repeated contact may cause removal of the natural fat from the skin, resulting in non-allergic contact dermatitis and possibly absorption through the skin. Correct handling procedures incorporating appropriate protective clothing and gloves should minimise the risk of skin absorption and irritation. People with pre-existing skin conditions, such as dermatitis, should take extreme care so as not to exacerbate the condition.

11.4 Serious eye damage / irritation:

The product is not expected to cause serious eye damage or irritation based on the available data and the known hazards of the components. May be mildly irritating to the eyes. Symptoms may include localised burning, redness and tearing. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye irritation.

11.5 Respiratory or skin sensitisation:

This product is not expected to be a skin sensitiser based on the available data and the known hazards of the components. This product is not expected to be a respiratory tract sensitiser, based on the available data and the known hazards of the components.

11.6 Germ cell mutagenicity:

This product is not expected to be mutagenic based on the available data and the known hazards of the components.

11.7 Carcinogenicity

This product is not expected to be a carcinogen based on the available data and the known hazards of the components.

11.8 Reproductive toxicity

This product is not expected to be a reproductive hazard based on the available data and the known hazards of the components.

11.9 Specific target organ toxicity (STOT) –

Single exposure

This product is not expected to cause organ damage from a single exposure, based on the available data and the known hazards of the components. This product is not expected to pose an irritation hazard at ambient temperature or under normal handling conditions. Not classified as a respiratory irritant, however if the product is used in confined spaces or environments where there is a potential for the build up of vapours or mists, these may cause irritation to the respiratory tract and mucous membranes. Note: The product contains a polyurethane component which means hazardous vapours may be released during operations such as sanding, grinding, cutting and heat stripping of material coated with the product.

11.10 Specific target organ toxicity (STOT)

Related exposure:

This product is not expected to cause organ damage from prolonged or repeated exposure, based on the available data and the known hazards of the components.

11.11 Aspiration hazard

This product is not expected to be an aspiration hazard, based on the available data and the known hazards of the components. However, as the product is an aqueous, polyurethane dispersion coating material, aspiration into the lungs may be an issue if vomiting has occurred after ingestion or if stomach irrigation is deemed necessary. As a precaution, if vomiting has occurred after ingestion, the patient should be monitored for adverse effects.

11.12 Other information

Persons with a history of asthma, atopic conditions, hay fever, recurrent acute bronchitis, interstitial pulmonary fibrosis, occupational chest disease or impaired lung function should be advised against undertaking tasks, such as sanding, grinding, cutting, and heat stripping of material coated with the product. Such tasks may potentially release hazardous vapours associated with the polyurethane dispersion. A person with proven isocyanate sensitivity should not be exposed to polyurethane by-products from these types of tasks.

Section 12 - Ecological information

12.1 Ecotoxicity

There is no data available for the product as a whole. The product has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment.

12.2 Persistence and degradability

The product is miscible with water. No persistence or biodegradability data is available for the product.

12.3 Bioaccumulative potential

No bioaccumulation information is available.

12.4 Mobility in soil

No mobility information is available.

12.5 Other adverse effects

Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs. The product is miscible with water.

Section 13 - Disposal considerations

13.1 Disposal methods

Product: The product should not be released to the environment, so any unused material should be recycled wherever possible or be disposed of as hazardous waste at an appropriate collection depot. Spilled product that cannot be recovered should be absorbed and then shovelled into a suitable waste container, such as a plastic drum and then be treated as a solid waste. Follow Government regulations for disposal of such waste. All unused, waste or spilled product must be taken for recycling or disposal by suitably licensed contractors in accordance with Government regulations. Do not pour leftover product down the drain. Small quantities of unwanted material should be brushed out on newspaper, allowed to dry and then disposed of via normal domestic or industrial waste collection.

Containers: Empty containers may contain residual material. They should be completely drained and then stored until reconditioned or disposed of. Empty containers should be taken for recycling or disposal through suitably licensed contractors in accordance with Government regulations. Empty containers should be recycled wherever possible rather than being sent to landfill or incinerated. If being sent to landfill any residual product must be allowed to dry/cure before disposal.

Section 14 - Transport information

This product is not regulated for land, sea or air transportation.

14.1 Land (ADG Code):

UN number: Not applicable
 UN proper shipping name: Not applicable
 Transport hazard class (es): Not applicable
 Packaging group: Not applicable
 Environmental hazards: Not applicable
 Special precautions for user: Not applicable
 Hazchem code: Not applicable

14.2 Sea (IMDG):

UN number: Not applicable
 UN proper shipping name: Not applicable
 Transport hazard class (es): Not applicable
 Packaging group: Not applicable
 Environmental hazards: Not applicable
 Special precautions for user: Not applicable

14.1 LAND (ADG Code):

UN number: Not applicable
 UN proper shipping name: Not applicable
 Transport hazard class (es): Not applicable
 Packaging group: Not applicable
 Environmental hazards: Not applicable
 Special precautions for user: Not applicable



Section 15 - Regulatory information

15.1. Safety, health and environmental regulations

Applicable regulations:

SUSMP:	Not scheduled.
AICS:	All ingredients are on the AICS List.
Montreal protocol:	Not applicable to this product.
Stockholm convention:	Not applicable to this product.
Rotterdam convention:	Not applicable to this product.
Basel convention:	Not applicable to this product.
International convention for the prevention of pollution from ships (Marpol):	Not determined.

Other regulatory information

GHS classification hazard class & category and hazard statement:	Not applicable.
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Section 16 - Other information

SDS information

Date of SDS Preparation:	7th August 2022 - Revision 0.0
Revision changes:	Initial preparation of SDS.

Acronyms

SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
CAS Number	Chemical Abstracts Service Registry Number
EINECS	European Inventory of Existing Commercial Chemical Substances
UN Number	United Nations Number
OSHA	Occupational Safety and Health Administration
ACGIH	American Conference of Governmental Industrial Hygienists
HSE-WEL	Health and Safety Executive - Workplace Exposure Limit
EH40	EH40/2005 Workplace Exposure Limits
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
IUCLID	International Uniform Chemical Information Database
RTECS	Registry of Toxic Effects of Chemical Substances
%W/W	Percent weight for weight
OECD	Organisation for Economic Co-Operation and Development
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
HAZCHEM Code	Emergency action code of numbers and letters which gives information to emergency services
NOHSC	National Occupational Health and Safety Commission
NICNAS	National Industrial Chemicals Notification & Assessment Scheme
IMAP	Inventory Multi-Tiered Assessment and Prioritisation
AICS	Australian Inventory of Chemical Substances
TWA	Time-Weighted Average
STEL	Short Term Exposure Limit
HSNO	Hazardous Substances and New Organisms Act 1996

Section 16 - Other information

Acronyms

HSNO	Hazardous Substances and New Organisms Act 1996
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
WHS	Work Health and Safety PPE Personal Protective Equipment.
LD ₅₀	Median Lethal Dose
LC ₅₀	Median Lethal Concentration
EC ₅₀	Effective Concentration of a substance that causes 50% of the maximum response after exposure for a nominated time
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
ECHA	European Chemicals Agency
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
HCIS	Hazardous Chemical Information System

Literature references and sources of data:

1. OECD Guidelines for Testing of Chemicals
2. Annex I: OECD Test Guidelines for Studies Included in SIDS Manual for the Assessment of Chemicals Chapter 2 Data Gathering International Toxicity Testing Guidelines
3. Hazardous Substance Information System - Guidance Material for Hazard Classifications Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
4. Model Work Health and Safety Regulations.
5. Model Work Health and Safety Regulations - Transitional Principles Workplace Exposure Standards for Airborne Contaminants Australian Dangerous Goods Code 7th Edition
6. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)] Guidance on the Classification of Hazardous Chemicals under the WHS Regulations Assigning a Hazardous Substance to a Group Standard
7. User Guide to the HSNO Thresholds and Classifications
8. Summary User Guide to the HSNO Thresholds and Classifications of Hazardous Substances Correlation between GHS and New Zealand HSNO Hazard Classes and Categories
9. HSNO Control Regulations
10. Record of Group Standard Assignment
11. Labelling of Hazardous Substances Hazard and Precautionary Information
12. Thresholds and Classifications Under the Hazardous Substances and New Organisms Act 1996 Workplace Exposure Standards and Biological Exposure Indices

All information contained in this Safety Data Sheet and the health, safety and environmental information are considered to be accurate to the best of our knowledge as of the issue date specified above. The information presented here within, is based upon the product information supplied by the manufacturer. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.